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Groundbreaking day for Lab programs

Research facility will analyze threats to national security

By Stephen Wampler
NEWSLINE STAFF WRITER

A new facility that will assist Laboratory researchers in conducting analyses of national security threats from the proliferation of weapons of mass destruction took a major step toward reality Thursday. With Rep. Ellen Tauscher, University of California Vice-President John McTague, Laboratory Director Bruce Tarter and others wielding shovels, ground was broken for the International Security Research Facility.

The new two-story building, set for the west side of the Laboratory, will consolidate Livermore's nonproliferation and intelligence-related operations into a single building. It will also replace the current main building that is about 40 years old and lacks the needed infrastructure for digital communication.

"Just as the Laboratory helped the nation win the Cold War, this facility will enable the Lab to help the nation win the war on terrorism," said Tauscher during groundbreaking ceremonies.

Tarter, who emceed the cere-

See **ISRF**, page 8



MICHAEL ANTHONY/TID

Melanie Elder, Bruce Tarter, Ellen Tauscher, John McTague and Rhys Williams (above, from left) broke ground on the International Security Research Facility. Below, Bruce Goodwin, Bill Reed, Tarter, Tauscher, McTague and Dona Crawford (from left) kicked off construction of the Terascale Simulation Facility.



DON GONZALEZ/TID

Terascale facility will house next supercomputer

Don Johnston
NEWSLINE STAFF WRITER

Construction of the Terascale Simulation Facility officially got underway in a groundbreaking ceremony Thursday attended by Rep. Ellen Tauscher, community leaders and Laboratory officials.

"This groundbreaking highlights a particular technology area and programmatic element that has been characteristic of all 50 years of the Laboratory history," said Lab Director Bruce Tarter, who presided over the ceremony. "We've been at the forefront of supercomputing most of the 50 years of our lives. This new facility will allow us to maintain that position in the coming years."

The Laboratory has excelled at applying supercomputer simulations to the nuclear weapons program under the Advanced Simulation and Computing program, also known ASCL, Tarter said. "The computers that will go into this building are at the heart and soul of continuing to do that job in the future." He retraced the six-year "journey" from the start of the Stockpile Stewardship Program and identification of the requirements for ensuring

See **TSF**, page 8



FROM THE DIRECTOR'S OFFICE Tommy Smith

Effort to implement survey's recommendations under way

The Laboratory is committed to implementing the recommendations produced by the Employee Survey Action Teams as quick-

ly and effectively as possible. To ensure successful implementation, Administration AD Jan Tulk, who co-chaired the Survey Action Steering Committee, has appointed me to assume responsibility for organizing the effort into a major institutional initiative.

That effort is under way. Though there are still a great many details that need to be worked out, I would like to share with you some aspects of our overall approach to this task.

One of the key features of our intended method of implementing the SAT recommendations is to apply project management concepts using our matrix approach. Throughout the Lab's 50-year history, this

See **DIRECTOR'S OFFICE**, page 5

Employee Survey recommendations

- Maintain a competitive "Total Rewards" Program
- Modify Performance Management System by implementing best industry practices
- Significantly increase investment in employee development
- Promote organization values of rigorous debate in an atmosphere of mutual respect
- Encourage use of flexible work schedules
- Enhance the vitality of the research environment
- Significantly enhance work/life services and resources



1965: Debut of Z Division

— Page 3



Students answer science challenge

— Page 7



New courses on safety

— Insert



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Friday 5 A representative from **California Casualty Insurance** will be in the Benefits Office. Appointments are required and may be scheduled by calling 2-9955. California Casualty offers individual rates to Lab employees by payroll deduction for auto and homeowner/renter insurance.

Saturday 6 The **Livermore-Yot-sukaido Sister City Organization** will host a dinner/concert, featuring music by San Francisco's Taiko Dojo group. Dinner will begin at at 6:30 p.m., immediately followed by the concert. This cultural entertainment and fund raising event will take place at the Livermore Veterans Memorial Hall, 5th and L streets. Tickets are available at Goodenough Books. Adults: \$30; Children 12 and under: \$15. Contact: 447-0856 or 447-8666.

Tuesday 9 An employee briefing on **"Performance Appraisals — Planning your Input & Discussion"** will be offered for employees who would like an overview of the performance management process at the Lab. This briefing will be held from 8 a.m. to noon in Bldg. 571, room 2301. Registration is not required. Come early to reserve your seat. Contact: EODD, 2-4842.

The Lawrence Livermore Laboratory **Armed Forces Veterans Association** (LLAFVA) invites all veterans to its monthly meeting at noon in the Bldg. 511 upstairs conference room. Normal monthly meetings are the first Tuesday of each month. The only requirement to join is a DD214 and \$5 for annual dues. Contact: Chris Trapp, 2-5273, Chelle Clements, 3-8134, or Marty Davis, 2-8121.

Up & Coming The **Volunteer Center** in Pleasanton is looking for a variety of volunteers, including computer, mechanical and electrical volunteers and summer camp counselors. For further information, call 462-3570.

Human Resources' Employment and Benefits Services division is offering a **Basic Investment Planning Workshop** on April 16 (Course #PS8022). Visit the Benefits Website to get further information or to register: <http://www.llnl.gov/jobs/benefits>. Advance registration is required. Workshop sizes are limited and registration is on a first-come first-served basis.

Celebrating 31 years of LLLWA



In observance of Women's History Month, and to celebrate its 31 years at the Lab, the Lawrence Livermore Laboratory Women's Association (LLLWA) held a reception last week at the Visitors Center. Lara Daily, (top), president of the LLLWA, welcomed members and Lab retirees, who later gathered to enjoy refreshments and conversation. To commemorate the LLLWA anniversary, a new display was also unveiled (right).

PHOTOS BY SCOTT WILSON/PAO



Time's running out to register for Fitness Day

It's time to pre-register for the 22nd annual Livermore Fitness Day scheduled for Sunday, April 21, at Robertson Park Soccer Fields in Livermore. Early bird registration must be post-marked by Monday and registration is \$18 per person or \$55 for a family of four (all living at the same residence).

Race day registration is \$25 per person. No family registrations are taken on race day. Registration forms are available at the Livermore City Hall, LARPD, Livermore Chamber of Commerce, Pleasanton Fleet Feet and at the Information Desks in the lobbies of Valley Memorial Hospital in Livermore and ValleyCare Medical Center, Pleasanton. Internet registration via www.active.com is also available.

Livermore Fitness Day is designed for families and serious athletes alike, featuring a variety of different events to choose from including: USATF certified 5K walk/run and 10K run, 12- and 20-mile bike rides, and a Kiddie Dash (sponsored by Supervisor Scott Haggerty) for children 3 to 8.

All Kiddie Dash participants receive a finishing medal and T-shirt. All Fitness Day participants receive a T-shirt and bagel breakfast and a chance to win cash prizes. Bike riders are eligible to win a Trek 800 sport bicycle. Plus, cash awards and prizes will be given to the overall winners, and first, second and third place age division winners in the 5K and 10K.

ValleyCare Health System is the sponsor of



the event with a number of local businesses also participating. Proceeds from this event are designated for the Cardiac Rehabilitation Department of ValleyCare Health System. ValleyCare Health System will also offer free health assessments, health information, Ask-A- Doctor, goodies and other items as part of the health fair portion of Livermore Fitness Day. Several other local businesses will also participate in the health fair.

Register now for a great day of fitness and festivities. For more information call the race hotline at 373-8081.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Contacts:

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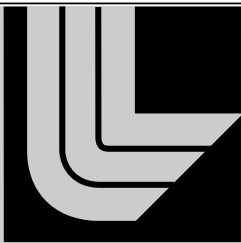
Contributing writers: Don Johnston, 3-4902; Elizabeth Rajs, 4-5806; David Schwoegler, 2-6900; Anne Stark, 2-9799; Steve Wampler, 3-3107; Gordon Yano, 3-3117. For an extended list of Lab beats and contacts, see <http://www.llnl.gov/llnl/06news/NewsMedia/contact.html>

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1952 – 2002
MAKING HISTORY, MAKING A DIFFERENCE



Assessing the weapons capabilities of others

This is an ongoing feature highlighting the Lab's 50-year history. This week we take a look at the year 1965.

From its inception in 1952, the Laboratory's expertise in the design of nuclear weapons was tapped by U.S. intelligence organizations seeking to understand atmospheric nuclear tests conducted by the Soviet Union. The need for Laboratory assessments of Soviet test data gathered by intelligence organizations grew as the Cold War intensified.

In 1965, Laboratory scientists and engineers helping intelligence agencies understand the significance of Soviet nuclear tests were formally consolidated into Z Division, today known as the International Assessments Program.

Dale Nielsen, a retired physicist who helped to establish and worked in Z Division at the time it was formed, recalls that the CIA needed a formal mechanism meeting intelligence agency security requirements for obtaining expert analysis of information about Soviet nuclear weapons tests. A formal relationship was established under Lab Director John Foster in a memorandum of understanding between the CIA and the Atomic Energy Commission (AEC), a predecessor to the Department of Energy.



Models of early Soviet nuclear weapons are now on display at the Nuclear Weapons Museum at Arzamas-16, the Soviet Los Alamos.

1965

Around the world

- First U.S. combat troops in Vietnam
- President Johnson orders American troops to the Dominican Republic to prevent a Communist takeover
- Indonesia withdraws from the United Nations
- The miniskirt appears in London

Around the nation

- Watts riot in Los Angeles

- Student anti-war movement begins at University of Michigan with a "teach-in," held to protest the Vietnam War
- Medicare becomes law
- Malcolm X assassinated
- Martin Luther King leads civil rights march in Alabama
- Ralph Nader publishes "Unsafe at Any Speed," decrying the dangers of automobiles and urging consumer protection
- Popular songs of the year include "I Can't Get No Satisfaction," and "Sounds of Silence"

in other
NEWS

Significant events around the world, the nation and at the Lab.

See the Timeline: <http://www.llnl.gov/timeline/> See anniversary stories: http://www-r.llnl.gov/50th_anniversary/history.htm

Save this date!

50th Anniversary
Celebration
&
Family Days

SEPTEMBER
21, 22





NEWS YOU CAN USE

Former Defense chief calls for cooperation in war on terror

By Ken Frazier

SANDIA NATIONAL LABORATORIES

Former Defense Secretary William Perry told a Sandia/California audience Monday that while the United States must lead in the war on terrorism, international cooperation is essential to the success of the effort.

"We cannot and should not go it alone," he said. "We should make constructive cooperation with other nations not just a political objective, but a top national security objective."

The occasion was the first Harry S Truman Distinguished Lecture at Sandia/California.

Perry, secretary of Defense from 1994-97 in the Clinton Administration, is now a professor at Stanford University with a joint appointment in engineering and international studies and also a Hoover Institution senior fellow.

He was introduced by VP Mim John, who at the conclusion of the hour-long event in the Bldg. 904 auditorium told Perry that his career embodied the

words "exceptional service in the national interest" that President Truman used in reference to Sandia in 1949. She presented him with the Truman Lecture plaque and medallion.

The attacks of Sept. 11 stunned Americans and are a transformative event in American history, but what is new, Perry said, is not our vulnerability, but our understanding of our vulnerability. In a new book he co-authored, "Preventive Defense," and in an article in the November/December Foreign Affairs, Perry has studied the possibility of new types of threats to our nation.

"The bad news is that 9/11 is not the worst in store for us," he warned, noting that terrorist groups are actively seeking chemical, biological and nuclear weapons, and that if they get them, "no one should doubt that they would use them."

The rest of his talk was devoted to what we can do to prevent such catastrophic attacks or at least to mitigate their consequences. We must increase non-proliferation efforts, including spending more capital/resources and especially more political capital, he

said. The latter includes more cooperation with Russia and China, as difficult as that may be. Coercive action against Iraq, which is actively seeking nuclear weapons, is probably justifiable, he said.

Other actions include dismembering terrorist bases and operations, breaking up terrorist cells, detecting terrorist cells and plans, and hardening likely targets (with better internal processes as well as physical protection). He said the consequences of a biological attack "can be as serious as a nuclear attack," but at least in this area good consequence management — early detection, increased stockpiles of antibiotics and vaccines, more effective treatments, improved medical responses, training of first responders, and the like — can have a 10-to-1 effect in reducing casualties.

"All the actions I talked about will be expensive," Perry said, "but all of them put together are not as expensive as one 9/11."

He said all require leadership, which he has been pleased to see, and increased cooperation with other nations.

Technical Meeting Calendar

Friday
5

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Stellar Populations Near the Galactic Center: Not the Usual Suspects," by Mark Morris,

UCLA. Noon, Bldg. 319, room 205 (badge required). Contacts: Adam Stanford, 3-6013, Rosemarie Cortez-Kudo, 3-0621.

Monday
8

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Massive Optical Variability Surveys," by Przemek Wozniak, LANL. Noon, Bldg. 319, room

205 (badge required). Contact: Rosemarie Cortez-Kudo, 3-0621.

UC DAVIS, DEPARTMENT OF APPLIED SCIENCE

"Chemistry and Phase Transitions Under Shock Conditions: The Vital Role of Inhomogeneities," by Brad Holian, LANL. 4 p.m., Bldg. 661 (Hertz Hall), room 7 (open area). Refreshments served at 3:30 p.m. for a "meet the speaker" session before seminar. Contact: Estelle Miller, 2-9787.

PHYSICS & ADVANCED TECHNOLOGIES

"Numerical Simulations of Relativistic Heavy-Ion Reactions," by Frank Daffin, Associates in Medical Physics. 10:30 a.m., Bldg. 211, room 227 (badge required). Contacts: Dennis McNabb, 3-0749, or Pat Smith, 2-0920.

Tuesday
9

MATERIALS SCIENCE & TECHNOLOGY

"Electron Tomography; Current State and Future Prospects," by Juergen Plitzko, Max-Planck-

Institute for Biochemistr. 3 p.m., Bldg. 235, room 1090. Contact: Thomas E. Felter, 2-8012.

LIVERMORE COMPUTING

LC Customers' monthly meeting. 9:30 a.m. Bldg. 111 Poseidon Room (cleared area). Teresa Delpha, taf@llnl.gov.

CHEMISTRY & MATERIALS SCIENCE

"Atomic-Scale Open-Volume Regions in

Amorphous Microstructure and their Relation to Kinetic, Flow and Fracture Behavior of a Zr-Ti-Ni-Cu-Be Bulk Metallic Glass," by Daewoong Suh, Stanford University. 10 a.m., Bldg. 235, gold room (uncleared area). Contacts: TG Nieh, 3-9802, or Roberta Marino, 3-7865.

Wednesday
10

RADIATION DETECTION CENTER

"Examples of Past and Current Developments in Radiation Detection and Imaging" by Norm Madden, LBNL and Jacques

Millaud, LBNL. 9:30 a.m., Bldg. 132S, room 1784 (badge required). Contact: Simon Labov, 3-3818.

MATERIALS RESEARCH INSTITUTE

"Quasi-particles and Their Absence in Photoemission Spectroscopy," by Jim Allen, University of Michigan. 3:30 p.m., Bldg. 219, room 163 (badge required). Contact: Joanna Allen, 2-0620.

INTEGRATED COMPUTING & COMMUNICATIONS DEPARTMENT

Silicon Graphics' workstations and servers, by Karl Kortkamp, SGI. A presentation will also be made by Tom Caylor, Hoffman Media Systems, on Clarity Visual Systems. There will be two sessions with identical content in each session. The first session is at 10:30 a.m. and the second is at 1 p.m. in the Bldg. 361 auditorium. Contacts: Candace Gittins, 4-4952, or Mary McCarra, 2-8590.

Thursday
11

PHYSICS & ADVANCED TECHNOLOGIES

"Probing Particle Formation In a Femtosecond-Laser-Ablation Plume," by Ernie Glover. 10:30 a.m., Bldg.

219, room 163 (badge required). Contact: Kevin Fournier, 3-6129, or Eryn Davis, 2-0475.

Friday
12

PHYSICS & ADVANCED TECHNOLOGIES

"Spin Physics at HERMES," by Maria Simani, Vrije Universiteit of Amsterdam. 2:30 p.m., Bldg. 211,

room 227 (badge required). Contact Doug Wright, 3-2347, or Pat Smith, 2-0920.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Dynamics of Planetary Rings and Extrasolar Planets," by Eugene Chiang, UC Berkeley. Noon, Bldg. 319, room 205 (badge required). Contacts: Adam Stanford, 3-6013, or Josie Morgado, 4-5201.

CHEMISTRY & MATERIALS SCIENCE

"In situ Crystalline Phase Reinforced Bulk Glass Matrix Composite in La and Pd based Alloys," by Yi Li, University of Singapore. 11 a.m., Bldg. 235, room 1050 (uncleared area). Contacts: T.G. Nieh, 3-9802, or Kathy Gonzales, 3-7023.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"An Immersed Interface Method for Incompressible Navier-Stokes Equations" by Long Lee, University of Washington. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Petri Fast (CASC) 4-2649, or Leslie Bills, 3-8927.

DEFENSE & NUCLEAR TECHNOLOGIES

"Omega Radiation Experiments: Making Measurements That Matter," by Christina Back, LLNL. 10:30 a.m., Bldg. 132 auditorium, room 1000(cleared area). Contact: Mark Herrmann, 2-6999

Monday
15

PHYSICS & ADVANCED TECHNOLOGIES

"Relative S-factor Measurements at TUNL and Evidence For an Excited State at 7.414 MeV in

Oxygen-15," by Stephen Nelson, Triangle universities Nuclear Laboratory, Duke University. 1:30 p.m., Bldg. 211, room 227 (badge required). Contacts: Dennis McNabb, 3-0749, or Pat Smith, 2-0920.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov.

NEWS OF NOTE



'Anatomy of Prejudice' session looks racism in the eye

Are you a racist? That's the provocative question Jane Elliott poses — and her audiences are often surprised by the answer. A former teacher from Iowa, she is the creator of the "Blue Eyes, Brown Eyes" exercise.

Elliott will be at the Lab on Thursday to address "The Anatomy of Prejudice." Her presentation is part of the LLNL Facilitated Dialogue Series. Her talk, from 10 a.m. to noon, will be in the Bldg. 123 auditorium and is open to all employees. *(Please note: This presentation will not be videotaped.)*

A breakout dialogue session will immediately follow her talk from noon to 1:30 p.m. Today is the deadline to register to attend the dialogue session. Enrollment forms were sent to all employees via Lab mail. For more information, contact Michele Cardenas, 3-2796.

Elliott's "Blue Eyes, Brown Eyes" discrimination experiment is a sensitizing exercise in which participants are labeled inferior or superior based

on the color of their eyes. She first did this exercise in her third-grade classroom in all-white, all-Christian Riceville, Iowa, immediately after the assassination of Martin Luther King, Jr.

It has been repeated with dramatic results with children and adults throughout the country. Those who have been through the exercise have said it is an emotionally significant and life-changing experience.

Several television documentaries have covered her work, among them "A Class Divided," which dealt with the long-term impact of the exercises; and "The Eye of the Beholder," which dealt with adults and their reactions to discrimination.

Both videos have been shown on Lab TV and will air today at 10 a.m., noon, 2 p.m. and 8 p.m.

Elliott, who received her teaching degree from the University of Northern Iowa, is a recipient of the National Mental Health Association Award for Excellence in Education. She has been a guest lecturer at numerous colleges and universities, and

has been a guest on a wide variety of television shows, including the Today Show, Tonight with Johnny Carson and the Oprah Winfrey show.

She is hailed as the leader in diversity training — a veteran presenter who has addressed groups ranging from colleges and universities to civil service organizations, elementary schools, corporations and businesses.

The Laboratory's Facilitated Dialogue Series is a speaker series that incorporates "dialogue" as a means of increasing understanding and learning about important diversity topics. Immediately following the speaker's presentation, individuals who have pre-registered will have the opportunity to participate in a group dialogue to explore in greater detail topics arising from the speaker's talk.

For more information about the program, contact Lorie Valle at 2-1770.

DIRECTOR'S OFFICE

Continued from page 1

matrix concept has proved its effectiveness in addressing science and technology-based projects and programs. So applying it to a activities that are more administrative in nature makes good sense. Why not pull together the most talented people, who have cross-disciplinary strengths and expertise, to address issues that are important to the Laboratory and its workforce?

A closer look at the SAT implementation effort reveals that it shares many of the same features that make the project approach and matrix effective ways to address programmatic problems. In most cases, the skill and expertise necessary to implement the survey recommendations (see inset page 1) does not reside completely within any one department or discipline. Further, the impacts of the survey recommendations will not be confined to any one directorate.

An additional benefit of using this approach is that it will help promote partnership, collaboration and cooperation around institutional commitments. Finally, it will establish an effective methodology for tackling issues in the future, such as recruitment and retention, or leadership development.

Though I am using the "matrix" in a way that approximates programmatic usage, understand I

am not advocating a system quite as rigorous. Both Jan Tulk and I envision an arrangement where individuals will join a project team for a specific duration and percentage in much the same way as the SATs were staffed.

I am currently meeting with the various directorates as well as the co-chairs of the Survey Action Teams to help identify individuals to assist in the effort to implement survey actions. Each action will have a project manager, who will establish project plans and milestones.

If any of you have any questions about this process of selecting team members, or would like to discuss the overall implementation effort, please contact me at 2-6634 or e-mail me at smith80@llnl.gov.

My priority is establishing our teams and coming up with a timeline for implementing all Survey Action Teams' recommendations. Some recommendations, such as dry cleaning or package delivery, will have a short turnaround. Others, such as policy changes that will affect the performance management process, will take longer and require coordina-

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I am very excited about this opportunity to help institute these changes at the Laboratory.
—Tommy Smith”

tion with the Senior Management Council.

I expect to have the team established by the end of the month. I am very excited about this opportunity to help institute these changes at the Laboratory. One of the things that came out in the survey is that there is no "burning" issue threatening the "health" of the Lab. This is a great place to work — but the survey suggests a number of ways we can make the Lab even better.

Every one of you who answered the survey acted in good faith by communicating your views. It will build a great amount of good will for management to respond by implementing your recommendations as effectively and expeditiously as possible.

In upcoming months I will provide specifics on this efforts, along with regular updates on progress and, ultimately, announcements of recommendations. I look forward to the work ahead.

Tommy Smith is the director of the Lab's Affirmative Action & Diversity Program. He also served on the Survey Steering Committee as well as a Survey Action Team.



Good Friday protest

A Good Friday demonstration by Tri-Valley CARES and other anti-nuclear groups took place at the Lab last Friday. Approximately 257 demonstrators gathered at the corner of Vasco and Patterson Pass roads before 6 a.m. After a program that included speeches, songs and dances, the group walked to the Lab's West Gate. After a formal notice to disburse was issued by the Alameda County Sheriff's Department, approximately 65 subjects failed to do so and were arrested for blocking a public roadway. Those arrested were transported to a temporary holding and booking facility that had been set up on site at the Sunshine Building, where they were cited and released.



DAVID SCHWEOGLER/PAO

SSEP Diversity Speaker Series
Sponsored by the Safety, Security and Environmental Protection Directorate Diversity Committee

Triumph of the Human Spirit
The story of the Jewish Military Resistance in WWII

Dr. Robert Katz
South Bay Holocaust Survivors' Group
and the
Jewish Partisans' Education Foundation

Thursday, April 25
12 – 1 p.m.
Bldg. 543 Auditorium





CLASSIFIED ADS

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

AUTOMOBILES

2001 Honda Accord DX, 10900 miles, automatic, dark green, am/fm cd player, air-conditioning excellent condition, \$17,000 or best offer. Call 510/305-5229 or 510/305-5618

2000 - Honda Accord LX, silver ext, dark blue int, 4 dr, 26K mi, AM/FM cassette, cruise cntrl, excellent cond, peppy. \$16,450. 925-862-2084

1993 - Dodge Grand Caravan LE, Blue and Silver all options very good condition new tires 138k miles, 4000 or best offer 209-239-6526

1964 - Corvette, White w/ blue inter. 350 CI/375 HP, 4 speed. Have owned and driven regularly for 21 years. Selling to buy new toy(s). \$22K 925-447-8751

1985 - Honda Accord 4-door sedan, 5 spd manual w/ cruise, power steering, new brakes, good clutch, 109K mi, great condition, \$750 OBO. 925-679-2432

1998 - White Buick Regal LS Fully-Loaded 64,000 miles \$10,500.00 must see! 925-828-2153

1988 - Dodge RAM B350 Van, V8 318ci, AC, 15 passenger, runs well. \$2500 OBO 209-679-5190

1985 - Honda Accord. 4 door. 5 speed. A/C. cruise control. 180K mi. good condition. \$1800 OBO 925-449-8970

1996 - Ford Explorer XLT V8 AWD, 67,000 mi, runs great, loaded, leather, excellent condition, original owner, \$12,900. 925-846-1453

1994 - Honda Accord EX Sedan Power window,doors,CC,Moon roof,4cil auto trans, very clean good maint records.160K miles looks and runs great.\$5500 925-516-5850

1992 - Accord EX Coupe, Black, 5spd, 89,000 Miles, Orig. Owner, Very Nice Car. \$6499 925-373-6814

1973 - Cadillac El Dorado convertible. Garaged for last 3 years. Body & interior excellent condition,top needed. TLC needed asking \$4K 209-567-0312

1993 - Toyota SR5 4X4 5 speed, Longbed, Extended Cab Loaded! Shell, bedliner, dashcover Excellent Condition throughout 96.5K miles \$11,000 925-779-1756

1988 - Alfa Spider. Dark red convertible 2-seater with 2.0L Four and 5spd. Leather seats, power windows, alloy wheels. 52K miles. \$6000. 925-449-8783

1985 - Jeep CJ7 hardtop, new engine, radiator, clutch, battery, 5 new tires, custom rims, etc. Great for hunting or off-road fun. \$4900 or offer. 925-443-7408

1991 - Honda Ex Wagon loaded, new timing belt, very good condition. 172K miles \$4,800. 925-447-4406

1994 - Dodge Ram Custom Van \$5,000 925-462-3055

1973 - Oldsmobile Toronado Classic. One owner.Always garaged.142Kmi. Excellent condition. Must see to believe.\$2950 925-447-9969

1999 - VW Passat GLX, Loaded with all options + extras, always garaged in perfect condition, even smells like new! call for details \$22500 209-823-3211

1999 - Porsche Boxster Cabriolet

2D glacier white, blk-top convrt-bl/blk leather intrior/mint cond./4K mi/5 sp/AC/AM-FM/Cassette/ Active Warranties/ \$37900 650-522-8208

1997 - Geo Metro 2dr, 3cyl, 45mpg, 135k miles, dual front air bags. \$1200 OBO 209-239-2303

1985 - Cadillac Seville, golden, leather interior, V8, limited release, 150k miles, new trans., All PWR, One owner, good condition, smooth ride, \$2299. 650-522-8208

1953 - Studebaker Roadster frame and engine w/Delawri Coach Craft fiberglass convertible body on top. \$750.00 OBO Wife says MUST go! 925-449-5626

1987 - Honda Prelude, 85k miles, perfect car, \$11,500, 925-447-4969

AUTOMOBILE ACCESSORIES

Rancho RSX Shocks & Skid Plate. Less than 750 miles and no dings in skid plate. Fits late model GM trucks with lift. Skid Plate \$250; Shocks \$100. 209-365-0412

Flowmaster cat-back exhaust \$250; ProTecta bed mat \$60.; R&D Fog light controller, (auto-matic on) \$20. All like new. Fits late model GM trucks. 209-365-0412

Cruise control. Fits most foreign and domestic cars and trucks. Easy to install. \$40 925-245-4570

Trailer brake control, electric, inertial, Tekonsha Commander \$25.00 925-829-3175

305/70R-16 Pro Comp Tires on 16x8 Weld Racing wheels w/ caps. Like new. Fits late model GM trucks with lift. Less than 750 miles. \$1,250. 209-365-0412

Brand new tires and wheels. LT245/75 16 inch mud and snow mounted on 8 lug forged aluminum wheels off 2002 chevy H/D. \$600 925-516-8339

Tires Goodyear 265/75 16 inch mounted on 6 lug aluminum alloy wheels approx 15k.\$200 925-516-8339

BOATS

Avon Rover 3.1, Honda 10 hp, custom trailer, vests and extras, \$2300 925-447-5194

1990 Supra-Saltaire Ski-Boat: Imaculant cond. Only 180hrs, 7.3liter, 23ft, tan&black, tan interior, sound system, trailer. \$18,000.00 925-513-2785

1979 25 ft Apollo Fishing/Cruiser 1985 FWC V8, new I/O 1993 Galv.Trlr. Sleeps 4 Head Galley Great Salmon/Sturgeon/Striper boat for Ocean Bay or Delta 925-447-7455

Bayliner, Anniversery Edition, 20.5ft, I/O (8 cyl. Merc, <150hrs!), walkthru bow, trailer. Absolutely MINT condition. Must SEE! \$11,000 925-779-1756

12 ft. aluminum boat with trailer, 9.8 Mercury outboard and electric motor plus extras, \$1500.00 OBO. 925-449-8297

ELECTRONIC EQUIPMENT

CD player, auio, Pioneer, single, xcInt cond. \$2.00 925-829-3175

60 inch Mitsubishi Big Screen projection TV, sharp/clear picture. \$500.00 209-551-4309

Philips single loader CD player component. Great condition. \$40/ obo. 925-456-5345

JVC 12 disc changer for car. Model #CH-X200. 1 year old. Asking \$80.00 OBO. 209-833-8306

Westinghouse 10 Feet Satellite Dish CTS-Video Receive and Talkback Communications Complete System, All or Part 925-606-0265

Computer battery backup, Scanner IIX17 SCSI w/ card, Monitors, etc 925-735-6002

PLAY STATION 2 GAMES, SSX Resident Evil, Zone of the Enders, Summoner, Frequency Dynasty, Warriors 3, Kessen 11, \$100/all or \$20/piece. 925-443-8889

2 HP Printers: HP845c - USB color inkjet, still in box, never opened. HP693c - Parallel port color inkjet, good condition. Best offer on either. 925-960-1005

CORNER COMPUTER DESK, very sturdy, in Livermore. Moving, must sell. \$30.00 925-443-2172

GIVEAWAY

Have entertainment coupons for FREE green fees at various golf clubs. 510-791-8623

HOUSEHOLD

Chest freezer, small, perfect for extras \$30.00 925-516-7524

Oak computer rolling desk/cart 38 inches wide. w/pull-out key-board and printer trays, space for CPU unit. Paid \$175 sell for \$125. 925-447-8613

Queen Sleeper Sofa. Solid khaki color. New last year. Seldom used. Sealy mattress. Paid \$550 sell for \$400 or B/O 707-645-8648

JENNY LIND CRIB -- light oak with mattress. Excellent condition. \$100 obo. 925-580-9694

7 Drawer Dresser w/large Mirror and 2 Drawer Nightstand \$100 for Dresser \$25 for Nightstand \$100 for Both. In good shape. 925-455-6310

Solid oak roll top desk. Winners only, paid \$1200, sell for \$700. not a scratch! 925-516-8339

Solid hardwood farm table approx 48 x 30 with 4 chairs.\$125 925-516-8339

Twin Size Mattress and Boxspring - 3 years new. Perfect condition. Slept on very few times. Only \$75 for pair. 925-552-0282

Circa 1920 Dining rm set (table, 6chairs);fair to good condition. Probably oak. \$1000 obo. 925-846-1344

MISCELLANEOUS

Comb bookbinder, w/supply of combs, \$75.00 925-829-3175

OAKLAND As / NEW YORK Yankees -- Wed April 24/02 night game. Sec 206. Selling tickets for a fundraiser. \$5 each. 925-580-9694

Marie Pascal limited edition framed prints of downtown Pleasanton and Pleasanton Hotel 19x15 done is pastel colors. \$75 each 925-447-8613

BRITNEY SPEARS - Oakland Arena Sat June 1/02 7:30pm. Sec 108 Row 9. \$125 each OBO. 925-447-1428

Antique cash register \$100/obo 925-443-0499

Yardman Riding Mower. Like new. Hardly used. \$800 or best offer. 925-455-6310

Pair of Polk wall mount speakers (white) \$100.00; Center Channel

Infinity Kappa \$100.00; Polk Subwoofer \$150.00 all are in excellent condition 209-551-4309

SUGAR BOWL lift tickets. 3 Adult \$30ea, reg \$54, 1 Young adult(13-21) \$20, reg \$40, Not valid holiday or weekends 209-836-3481

MOTORCYCLES

Used motorcycle accessories, jackets, helmets, call for details 925-516-7524

1998 - Harley Davidson FXDL Dyna Low Rider - ONLY 1300 miles! Black, new windshield, screamin eagle performance, some chrome extras. \$13,900. 209-321-5435

2001 - Yamaha Bear Tracker ATV new (less than 2 hours run time) racks, off road tires etc. Cost \$4500.00, asking \$3950.00. 707-374-5659

MUSIC INSTRUMENTS

Antique upright Wuriltzer piano \$100 925-443-0499

Mackie 24 ch Mixer SR24-4-2 4 Bus Mixing Console Lightly used. Great condition. Too much detail to list. \$400 925-837-8577

PETS & SUPPLIES

75 gallon aquarium w/stand and a Magnum 250 pump. 209-234-2314

Two beautiful hand-trained cockatiels with cage, \$50. 925-606-6071

Ball Python, 8yrs old, 45in long. Healthy, friendly, with cage, heaters etc. \$150 925-443-8449

Queensland Heeler/Bordier Collie mix, 5 years old, male, all shots current, free to good home, moving; must find home for Buddy 925-371-7443

Tri-colored collie mix, male, all shots, free to good home. 209-833-6443

Dog Run, 6ft tall x 7.5ft wide x 13ft long. Like new. Assembled. Pd \$350 Asking \$250 925-961-0153

Akita Pups. 3 months old, Healthy, 1 male-2 females all must be altered, reputable show dog breeder. 925-449-5626

RECREATION EQUIPMENT

Mens 12 lb shotput. Complies with NCAA, IAAF, and high school standards. \$15 925-245-4570

Camper shell. Cab high, 4 by 6, needs work, \$30 925-447-0428

OIhausen pool table w/accessories. Teal felt. \$2,000/OBO. 925-673-1048

SUGAR BOWL lift tickets. 3 Adult \$30ea, reg \$54, 1 Young adult(13-21) \$20, reg \$40, Not valid holiday or weekends 625-422-0649

96 Holiday Rambler 37 ft.Motorcoach.fully loaded,230 hp cummins,6 speed trans, base-ment model,20 ft.slideout. 209-234-1430

RIDESHARING

Express your commute, call 2-RIDE for more information or visit <http://www-r.llnl.gov/tsmp>

Modesto - Vanpool, Modesto to LLNL, 7:00 to 3:30 shift. 209-529-1010, ext. 3-0487

SERVICES

CUSTOM CAT FURNITURE (I am back! :-)) Very appealing designs; high-quality construction; competitive prices. Five-paw rating! Call 925-606-0234

FREE 60 minute theraputic massage with some strings attached. Interested? Call for details. 510-791-8623

Concrete: Custom, stamped, colored, foundations, flatwork & more. Have portfolio. Lic#787092-B. Over 20 years experience. Free estimates. 209-833-8309

SHARED HOUSING

Modesto - Room for rent \$300.00 incl. utilities except phone. 5yr old house, pets okay, all privi-lages. No smoking or drugs. 209-484-5816

Livermore - Room for rent in 2 bdr. 2 bath condo. \$550/mon. Incl. Intrnt access, PG&E, Water, and Garbage. 925-373-3168

TRUCKS & TRAILERS

1994 - 22-ft. fifth wheel trailer, fully self contained, 1999 150 XLT pickup truck, 12K miles, king cab, V8. \$7K for trailer, \$18K for truck 925-634-9321

1996 - Chevy 4x4 silver extended cab. Runs great! A/C, pwr windows & door locks, tilt wheel, cruise & AM/FM/Cassette. \$12,800/OBO 209-824-8750

1999 - Coleman Tent Trailer Utah,sleeps 9,used 3 times,excellent cond.,garage stored.\$8,450/ OBO 209-473-8627, 925-706-8179

VACATION RENTALS

Soda Springs/Donner Summit, Classic A frame, 2BR/1BA+Loft, sleeps 8 Walk to Royal Gorge 5 min to Sugar Bowl \$250 wknd,\$550/week call for availability 209-836-3481

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, newly remodeled, nicely furnished,all amenities,offseason rates now in effect, Reserve Now for Summer! 209-599-4644

Maui, HI - Kahana Reef ocean-front 1BR/1BA condominium. Beautiful two-island view, ocean-side pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0761

WANTED

Wanted: Livermore High School grads, classes of 1982 and 1983 for reunion 8/17/02. 925-443-5890

Wanted- Scrap metal, angles, plate, sheet etc to teach son & daughter to weld 209-836-3481

Small band or DJ for backyard wedding on Saturday, 6/29. Will pay reasonable price. 925-648-0671

Troy-built tiller. 209-892-6186

Single or 3-speed bike in good condition for use around town. 925-462-5202

WANTED: General Mills Box Tops for Education. Collecting for school library. Send to L.Positeri at L-728. Collecting year round - ongoing fundraiser. 209-576-7560

Flutist looking for a piano accompanist. Music would include pop, light classical and early 50s. Bob. 925-838-9302

Lab career choices to be focus of administrative workshop

A two-day workshop celebrating the work of administrative specialists is planned for Tuesday and Wednesday, April 9-10. More than 240 employees in the 405 job classification are expected to attend.

This is the fourth year the Laboratory has held the program, and because of the overwhelming response, it is the first time the workshop will be held over two days, said Joni Schuld, who helped start the program in 1999 after observing a similar program at Sandia.

This year's workshop is being hosted by Computation, Defense & Nuclear Technologies,

and Engineering.

The program features talks by several associate directors, including Jan Tulk, Dona Crawford, Bruce Goodwin and Glenn Mara.

A panel discussion on career opportunities is also planned on both days, said Gay Spivey, who is one of the lead organizers for this year's program. The panel includes women who have moved up through the ranks as well as those who have gone on to different jobs altogether.

"We want them to see that they have career choices," Spivey said.

"They don't have to be administrators. They

can be resource managers, office managers and even scientists. Peggy Poggio started at the Lab as an administrative specialist, went back to school and is now in the 200 classification as a programmer. The purpose of the panel is to show people that being an administrative specialist is not a dead-end job and to offer career development ideas."

The goal of the program is to make sure employees in the 400 classification feel valued and appreciated, as well as to offer them an opportunity to network with colleagues from different directorates. The day also features "soft mentoring" and is intended to be motivational, Spivey said.

Local fair winners head for international competition

By Elizabeth Campos Rajs
NEWSLINE STAFF WRITER

Three local teens will soon be packing their bags and their science posters and heading to Louisville, Ky., to match their scientific prowess against students from 40 countries at the annual Intel International Science & Engineering Fair.

The teenagers — Christina Hisel of Amador Valley High School, and Patty Allen and Gemma Lewis of California High School — each won an all-expense paid week at the international fair as the senior sweepstakes winners in the recent Tri Valley Science & Engineering Fair. In addition, they will also be offered summer internships at a laboratory or corporation.

"I'm most excited about meeting all the students from different countries," Hisel said of her May trip to the Kentucky fair.

Hisel, a junior, won the senior sweepstakes award last week for her microbiology project, "Future Fighters: Antibiotics vs. Bacteriophages,"

and Patty Allen and Gemma Lewis, students at California High School in San Ramon, won the team category for their project, "MHC Class I Variability Among Species of the Family Delphinidae."

The three sweepstakes winners were among 285 students from 20 Tri-Valley schools who competed in the fair this year. Now in its sixth year, this was the largest fair yet in numbers of students, projects and schools. Because of space constraints, more than 80 applications were turned down, said fair director Karen Kiernan of the Public Affairs Office.

"This was the best fair yet in every respect, from the quality of projects and professionalism of the students to the level of corporate interest and sponsorship," Kiernan said, noting that donations by local businesses enabled the fair to hand out more than \$20,000 in awards this year. "It's really obvious that not only the business community, but the schools and scientific community are behind this science fair."

Don Correll, chairman of the fair's Scientific Reviews Committee, evaluates every project entry before the fair and has noticed a change in the level of science over the past couple of years.

"What we're seeing is, similar to last year, the quality continues to grow every year. These students can compete with any other science fair," Correll said.

"We were also very pleased to see this year that there was a much higher percentage of high school students who entered the fair. In part, we're seeing students who started competing in the fair in middle school and are now in high school. It's a sustaining



effort. We have to continue to engage students in topics of interest to them and then they will stay motivated."

For her project, Hisel analyzed the virus-fighting power of bacteriophages as a way of searching for natural alternatives to antibiotics.

"I wanted to see if they would be cost effective, easily accessible and would kill viruses," she said.

To find out, she collected water from a duck pond and placed samples of it with E. coli in an incubator overnight. She discovered millions of viruses in her small samples and observed that plaques began to form, meaning the bacteriophages were indeed killing the bacteria.

For their team project, Allen and Lewis wanted to see how similar the MHC Class 1 gene was in dolphins and sea lions. Their teacher put them in touch with UC Davis researcher Brian Aldridge, who was able to give the girls aquatic animal DNA for their analyses.

They learned how to use a PCR purification kit and how to purify DNA.

"It was all brand new. We learned everything this year," Allen said.

The Laboratory is one of six organizing sponsors, along with Blackhawk Museum, ChevronTexaco, the Contra Costa Times, Tri-Valley Business Council and Tri-Valley Community Foundation.

In addition to the sponsorship, many Laboratory employees volunteer to help run the fair, from director Karen Kiernan to the fair's administrative staff to the majority of scientific judges.

For Lab retiree Cal Wood, who enjoyed a long career as a physicist in B Division, it was his first year judging projects at the fair.

"It's really great to get kids interested in science. Some are really pretty sophisticated, particularly in the biological sciences," Wood said. "I judged the middle school projects and it was fun talking to the kids. We had a good dialogue and I was able to make suggestions that can help them grow."



Ron Weinberg has been judging projects at the fair since it started six years ago and he said he is impressed every year with the level of science the students conduct.

"I never cease to be amazed at how creative these young investigators are. Every year, they come up with new projects," Weinberg said. "It's very inspiring to talk with them and have them explain what they're doing and how it adds to science."

As the quality of the projects continues to increase each year, so does the difficulty in choosing the best projects, he noted.

"Every year, it gets harder and harder. You could pick any one of them and you would be picking an excellent project. That's what makes being a judge so exciting," he added.

There were two sweepstakes winners in the junior category: Katie Fracolli of Iron Horse Middle School, won for her project, "DNA Degradation," and David Feldman of Harvest Park Middle School, won for his project, "Reflections on Reflectivity."

Each of the junior sweepstakes winners received a digital camera and a color printer.

At the awards ceremony held last week, the winners of the Lab-sponsored art contest were also named. In honor of the Lab's 50th anniversary, fourth and fifth grade students in the Tri-Valley were invited to draw what their world will look like thanks to scientific and technological advances.

First place awards went to Vanessa Ashley and Scarlett Dante, both fourth graders at Valley View Elementary School. Second place awards were given to Brent Barenberg and Ian Rittmaster, both fifth graders at Walt Disney Elementary School. Their classes will each receive lunch and a Fun With Science presentation.